DIKSHA KRISHNAN

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SUMMARY

DevOps enthusiast with expertise in cloud automation, CI/CD pipelines, and infrastructure as code. Passionate about integrating Machine Learning to optimize workflows, enhance system performance, and drive innovation.

WORK EXPERIENCE

Graduate Engineer - SRE, Johnson Controls

May 2023 - May 2024

- Assisted in deploying and maintaining continuous integration and continuous deployment (CI/CD) pipelines using Jenkins, and Tekton
- Worked on containerization technologies such as Docker and container orchestration using Azure Kubernetes Services, helping to containerize and deploy applications
- Implemented Consul and Vault for storing various App Settings for multiple services
- Assisted in version control and code repository management Git and GitHub, facilitating code collaboration among team members.
- Contributed to the development of Polaris, a CI/CD tool utilizing Tekton scripts, Jira, and GitHub
- Integrated code security checks such as SonarQube and JFrog X-Ray with Polaris using Groovy.

EDUCATION

Master of Science in Computer Science

Aug 2024 - Present

- Institution: Brown University
- currently working as Research Assistant for Carney Brain Sciences Lab

Bachelor of Engineering in Computer Science and Engineering

Aug 2019 - Apr 2023

- Institution: Meenakshi Sundararajan Engineering College

RELEVANT SKILLS

- Python, Flask, Java, C, C++, HTML/CSS, JavaScript, SQL
- Jenkins, Kubernetes, Docker, Unix/Linux, Buildpacks, Consul & Vault, Git, Android SDK, Figma
- Technical Documentation
- Oracle Certified Associate - Java SE 8 Programmer

PROJECTS

- **Published a paper on Sarcasm Detection using NLP for SemEval 2022** (Link here)
- **Designed a Skin Disease Detection system using Convolutional Neural Networks** (Link here)
- **Student Information System using Python and MySQL** - Implemented enrollment, grade tracking, and secure authentication.
- **Jewellery Management System using Visual Basic 6.0 and Oracle DB** - Jewelry options, billing, and customer management implemented.
- **Throughput examination of Sliding Window Protocols using Python** - Compared Go-Back-N and Selective Repeat protocols.
- **Hotel Management System using C** - Included room booking, cancellations, and supervision.
- **Broadcasting Chat Server using Socket Programming in Java** - Client-server messaging implementation using Java Sockets.
- **Skill and Job Recommender using HTML, CSS, and Flask** - Collaborated with IBM to make a recruitment portal for recruiters and job-seekers, and published it using Docker
- **ClickMe –** Developed an interactive web app with React, Go, and PostgreSQL for visual recognition tasks, featuring authentication, a leaderboard, and an admin dashboard.
- **RVIS –** Built a research platform using React, Node.js, and SQLite for rapid visual categorization, with a structured API and Google Cloud integration.